

## 32-2672: PIN4 Recombinant Protein

**Alternative Name :** Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4, Parvulin-14, Par14, hPar14, Parvulin-17, Par17, hPar17, Peptidyl-prolyl cis-trans isomerase Pin4, PPIase Pin4, Peptidyl-prolyl cis/trans isomerase EPVH, hEPVH, Rotamase Pin4, PIN4, EPVH, MGC1384

### Description

Source : Escherichia Coli. PIN4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids (1-156 a.a.) and having a molecular mass of 18.8kDa. PIN4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4 (PIN4) is a peptidyl-prolyl cis/trans isomerase (PPIase) which interacts with NIMA and is vital for cell cycle regulation. PIN4 has 2 different isoforms: PAR14 and PAR17. Furthermore, Pin4 protein binds to double-stranded DNA under physiological salt conditions.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** PIN4 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 0.1mM PMSF.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MPMAGLLKGL VRQLERFSVQ QQASKMPPKG KSGSGKAGKG GAASGSDSAD KKAQGPKGGG NAVKVRHILC EKHGKIMEAM EKLKSGMRFN EVAAQYSEDK ARQGGDLGWM TRGSMVGPFPQ EAAFALPVSG MDKPVFTDPP VKTKFGYHII MVEGRK.

### Application Note

Specific activity is > 300 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1µmole of suc-AAFP-pNA per minute at 25C in Tris-HCl pH8.0 using chymotrypsin.

